

B2

ABSTRACT

A protein comprising an antigen-binding portion formed by two cooperating peptide sequences of Figs. 3A and 3B of the application. The protein may alternatively comprise an altered antigen-binding portion where at least one of the peptide sequences is an altered sequence, an altered sequence being a sequence of Fig. 3A or 3B in which one or more of an amino acid residue has been added, deleted or replaced by another amino acid residue. The altered antigen-binding portion retains substantially the same antigen-binding specificity as said antigen-binding portion. Also disclosed are apparatus, systems and methods for detecting small assayed molecules in a sample using the protein.